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INFORMATION REPORT

CD NO.

DATE DISTR. 21 April 1952

NO. OF PAGES 5

NO. OF ENCLS.
(LISTED BELOW)

1 Appendix
(8 pages)

SUPPLEMENT TO 50X1-HUM
REPORT NO.

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Iron Industry

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4. Electric steel capacity will be increased through the installation of a 5 and 10 ton-electric furnace at Stahl- und Walzwerk Groeditz, VEB. Two 10-ton electric furnaces are being installed at Doehlen(2). The production of roller castings will be improved by the installation of a 15-ton electric furnace at the Walzen-Giesserei Coswig, VVB EFW.
5. An increase in the DDR steel production in respect to the smelting of high quality steel demands an increased production of ferroalloys. In consequence, a further 7500 KVA furnace has been included in the plan for the ferroalloy plant at Ferrolegierungswerk Mueckenberg, VEB.
6. Rolling capacity will be increased through the new rolling mills at Edelstahlwerk Doehlen, Stahl- und Walzwerk Brandenburg, VEB, and Stahl- und Walzwerk Riesa, VEB. A 650 cogging mill, made at Wildau(3), has been successfully installed at Edelstahlwerk Doehlen. An 850 mill is planned for Brandenburg for semis(4) and profile iron, which will also be made at Wildau(3). On the other hand, the 850 breaking down mill planned for Riesa (production of semis for tube works, and profile iron) will be delivered [redacted] The old tube works at Riesa are being modernized through the installation of a "Mass- und Glatt" rolling mill, delivery of which from Wildau has, however, been delayed until March 1953. It will increase capacity by 2000 tons per year and will effect a great improvement in the quality of tubes. The 1050 rolling mill, which is so important for Brandenburg, will be developed in the DDR. As regards the delivery of a continuous billet and slab mill for Brandenburg, negotiations with Czechoslovakia are now in progress, but the mill has not been included in the planning for 1952. The modernization of other rolling mills, particularly that at Hennigsdorf, must be postponed. In view of the fact that the SAG administration at the Walzwerk fuer Buntmetall, SAG Marten, at Hettstedt, is planning a strip rolling mill, the construction of a similar mill at Finow has been cancelled to avoid over-production.(5)
7. With regard to the development of the Electric Power Reconstruction Program, the erection of a large forge (Grossschmiede) at Stahl- und Walzwerk Groeditz, VEB, where turbine armatures (Laeufer) will be manufactured, is particularly important. For 1952 the construction of hydraulic presses as follows is envisaged: one 1000-ton, one 2000-ton, and one 6000-ton. The latter will be made through the collaboration of the Ministry of Machine Construction and Czechoslovakia.

Nonferrous Industry


8. As the mechanization of the copper ore mining industry involves the production of increasing quantities of fine ore which are not suitable for smelting in shaft furnaces, the fine ore must be produced in large pieces ("Stueckige Form"). The construction of a large sintering plant at the August Bebelhuetten VVB WMW, at Zella-Mehlis, has therefore been begun. Modernization of the foundry and the completion of the three-furnace project at the Karl Liebknecht-Huetten (6) will mean that the VVB Mansfeld Kombinat will have the necessary shaft furnace capacity to smelt the ore produced. The copper foundry will be extended through the addition of a refining furnace. Copper electrolysis will also be extended by 50%. The lead foundry in the Mansfeld Kombinat will be extended by a third shaft furnace.
9. In conformity with the increased demand for lead ore, the smelting capacity of Huettenwerk Muldenhuetten, VVB Buntmetall, for coarse smelting, and Huettenwerk Halsbruecke VVB Buntmetall, for fine smelting, will be increased. The installation of a new refining plant at Muldenhuetten will enable the separation in the production of lead into separate departments for rich and low bismuth content respectively.

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10. The reconstruction of the sulphuric acid contact plant begun in 1951 will be completed in 1952(7). The building of a zinc foundry at Muldenhuetten for the production of zinc by electrolysis from the zinc blende obtained from the Freiberg lead ore mines, has begun. A vacuum smelting plant will be installed at the Berliner Metallhuetten und Halbzeugwerke (BMH), VEB, in order to produce zinc for rolling from zinc scrap.
 11. Corresponding with the preparatory measures for the production of nickel ore, preliminary work in connection with the building of a crude and a fine nickel foundry respectively will be started in 1952. The capacity of the VEB Nickel-huette, Aue, to smelt raw material with low nickel content will involve the installation of a fourth flame furnace. The capacity increase will be from the existing 1.5 - 2 tons to 3 tons per day. At the Halbzeugwerk Auerhammer (VVB WZ), a quarto rolling mill housing (Quartowalzengeruest) will be installed to roll strips of iron, chrome-nickel and chrome-molybdenum alloys, also foil-rolling equipment for the production of copper, tombac, and brass foil.
 12. Statistics of planned capacity increases in 1952 are given in the appendix.

II. Alterations to the preliminary Investment Plan (9 November 1951)

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1. Eisenhuettenkombinat Ost, Fuerstenberg/Oder, VVB EFW

The projection of plans must be so arranged that the 3rd and 4th blast furnaces will start functioning on 1 May and 1 September 1952 respectively.

2. Eisenwerke West, Calbe/Saale, VVB EFW

Planning must ensure that the functioning of furnaces No. 3-10 will be safeguarded.

3. Maxhuette VEB

The construction of an automatic steel mill is to be postponed until 1953.

4. Edelstahlwerk Doehlen, VEB

In the steel works only two 10-ton electric furnaces will be installed in 1952. These will be delivered by the Allgemeine Elektrizitaets-Gesellschaft (AEG). They were originally ordered by Groeditz and paid for by them. Whether they will be put into operation will depend on developments in connection with the Trade Agreement. In the rolling mill only the 605 mill has been included provisionally in the plans for 1952, as the delivery of the Czechoslovak mill has been postponed until 1953.

5. Stahl- und Walzwerk Brandenburg, VEB

The additional project for a wire mill has been postponed until 1953. Only the 850 mill will be built in 1952. Plans for the 1050 cogging mill remain. Planning urgency will be governed by the need to ensure the operation of the 850 mill.

6. Stahl- und Walzwerk Riesa, VEB

The plan for a manganese hard steel improving furnace at the steel works has been cancelled.

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7. Stahl- und Walzwerk Groeditz, VEB

The following are alterations to the preliminary plan: One 5-ton and one 10-ton electric furnace will be installed. Manufacturer: VEM Lokomotivenbau Elektrotechnische Werke (LEW) VEB, Hennigsdorf. An additional 6,000-ton press for the large forge is planned; delivery is to be through the collaboration of Machine Construction and Czechoslovakia. Order of urgency: 5-ton electric furnace, delivery end of first quarter 1952; 10-ton electric furnace, delivery provisionally third quarter 1952.

8. Stahl- und Walzwerk Wilhelm Florin, Hennigsdorf, VEB

One 40-ton SM furnace is to be built and one 80-ton SM furnace is to be converted into a 40-ton furnace.

9. Kupfer und Blechwalzwerk Michael Niederkirchner, Ilsenburg, VVB Vesta

No alteration except for the dropping of the plan for the medium sheet metal rolling mill. Planning at this plant should be guided by the aim to achieve full capacity in the thick sheet metal mill by 1 May 1952. This date, however, should be reviewed in view of negotiations with the Thaelmannwerke at Suhla.

10. Leichtmetallwerk Bockwitz, VEB

Alterations involve the cancellation of plans for smelting, grinding, processing, and light construction shops, as well as minor items.

11. Berliner Metallhuetten und Halbzeugwerke (BMH) VEB

Various reductions in the plans for the three works are made in order to allow for one Vacuum Smelting Plant in Werk I with a daily capacity of five tons of fine zinc in 1952, to be extended to ten tons capacity in 1953, and the increase in production of 180,000 coupling bearings (Verbundlager) in 1952 to 280,000 in 1953.

12. VVB Mansfeld Kombinat

The smelting of furnace pigs is not included in the planned total, but, according to an assurance received from the State Planning Commission, it will be financed in the course of 1952 from state reserves; so plan drafting is to be carried out as quickly as possible.

13. Walzengiesserei Goswig, VVB EFW

The preliminary planned figure of 8,696 thousand DM has been cut by 2,478.7 thousand DM, involving various pieces of machinery.

14. Walzengiesserei Quedlinburg, VVB EFW

Investments have been postponed until 1953.

15. Ferrolegierungswerk Mueckenberg, VVB EFW

Instead of two 7500 KVA electric furnaces, only one will be built in 1952.

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Comments:

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- (1) The construction at Galbe is presumably that at Eisenwerke West, Calbe/Saale (VVB EFW).

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- (3) Presumably at the Schermmaschinenbau, VVB Abus, at Wildau.

- (4) Semis probably refers to semi-steels which are metals of iron type with carbon between 1.8 and 2.2 per cent.

- (5) The construction at Finow may have been intended at the Walzwerk Finow, VVB WZ, which has been described as planning construction. See under its former name, Hoffmann & Motz

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Appendix

Planned Production Capacity Increase According to the
1952 Investment Plan (3 November 1951)

Plant	1st and final year of the total project	Capacity Increase			
		unit	projected total	in previous year	in plan year
1. Eisenhuettenkombinat Ost, Fuerstenberg/ Oder, VVB RFW	1950-1955	1,000 tons p.a.			
a. Blast furnaces, ore stocks and ore preparation	1950-1953	crude iron	900	360	360
b. Steel works	1952-1954	crude steel	550	-	-
c. Rolling mill	1952-1955	thick and thin sheet metal	280	-	-
2. Eisenwerke West, Calbe, VVB RFW	1950-1955	1,000 tons p.a.			
		foundry pig iron	300	30	120
3. Maxhuetten, VEB	1949-1955	1,000 tons p.a.			
a. Blast furnace work, including ore sintering	1949-1955	crude iron sinter material	265 250	115 250	125 -
b. Steel works	1949-1955	Thomas steel (molten)	280	110	10
c. Rolling mill	1949-1955	Semis	380	375	-
		"Sorteneisen"	250	156	-
		Thick sheet metal	50	50	-
		Lime	120	75	-
		MW-E-Power	5.2	3.6	-
4. Edelstahlwerk Doehlen, VEB	1949-1955	1,000 tons p.a.			
a. Steel works plants	1949-1953	SM-Steel (molten)	26	26	-
		E-Steel	74	10	20
		Steel castings	5	3.2	-

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Plant	1st and final year of the total project	unit	Capacity Increase		
			projected total	in previous year	in plan year
b. Rolling mill annealing and improving plants	1951-1955	Semis	60	-	60
c. Iron foundry	1949-1955	Pressed and forged parts	13.5	4	2.2
d. Ancillary plants	1949-1955	-	-	-	-
5. Stahl- und Walzwerk Brandenburg, VEB	1950-1955	1,000 tons p.a.			
a. Steel works	1950-1955	SM-steel (molten)	840	560	-
b. Rolling mill	1950-1955	Semis	800	-	-
		Profile steel	240	-	240
		Rolled wire	100	-	-
		Strip steel	70	-	-
		Welded tubes	50	-	-
6. Stahl- und Walzwerk Riesa, VEB	1949-1955	1,000 tons p.a.			
a. Steel works including steel casting plant	1949-1955	SM-steel	586	402	-
		steel castings	12	12	-
b. Bar iron rolling mill	1949-1955	Bar iron	200	200	-
		crude iron	180	-	180
c. Tube plant	1949-1955	seamless tubes	102	-	32
7. Stahl- und Walzwerk Groeditz, VEB	1949-1955	1,000 tons p.a.			
a. Steel works and steel casting plant	1949-1955	M-steel (molten)	175	160	15
		Cast steel	12	12	-
b. Fittings works	1949-1955	Fittings	1.5	1.5	-
c. Forges	1950-1955	Forged parts	50	5.5	27.6

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Plant	1st and final year of the total project	Capacity Increase			
		unit	projected total	in previous year	in plan year
8. Stahl- und Walzwerk Wilhelm Florin, Hennigsdorf, VEB	1947-1955	1,000 tons p.a.			
a. Steel works and steel casting plant	1947-1954	SM-steel (molten) Cast steel	274 18	211 12	35
b. Veltan Chill Mold Plant	1950-1954	Chill molds	24	24	-
c. Rolling mill	1948-1955	Rolled steel	260	220	-
9. Kupfer und Blechwalzwerk, Michael Niederkirchner, Eisenburg, VVB Vesta	1945-1955	1,000 tons p.a.			
		Thick sheet metal	47.8	28.8	19
		Electrolytic copper	6.5	4	2.5
10. Leichtmetallwerke, Rackwitz, VEB	1949-1955	tons per year			
		Aluminum sheet	1,000	640	100
		Aluminum wire	1,400	600	310
		Phosphor-bronze wire	200	110	40
		Aluminum mold castings	800	685	115
		Magnesium mold castings	500	385	115
11. Berliner Metallhuetten und Halbzeugwerke, VEB	1949-1955	tons per year			
a. Werk I Smelting Works Vacuum smelting for fine zinc		Wire bars MS and "Tombak"	14,650	9,050	-
		Fine zinc	4,500	-	1,500
b. Werk II (Semis)		Copper and MS tubes	2,100	1,500	-
		Nonferrous wires	1,620	1,020	-
		Nonferrous rolled sheets	2,300	2,300	-

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Plant	1st and final year of the total project	Capacity Increase			
		unit	projected total	in previous year	in plan year
		1,000 pieces of coupling bearings	550	74	100
c. Werk III Special bronze		tons per year Non-ferrous mold castings	375	315	60
		Special MS tubes and rods	296	144	-
12. Mansfeld Kombinat	1948-1955	1,000 tons p.a. "Minern"	1,800	1,060	280
a. Sangerhaeuser Revier (sic)	1948-1955	"	620	40	120
b. Mansfelder Pig lead (?) (Mulde)	1949-1955	"	1,180	1,020	160
c. Rohhuetten (Rough Processing Plants)	1949-1955	1,000 tons p.a. "Minern Durchsatz"	1,200	1,000	200
d. Feinhuetten (Refining Plants)	1949-1955	1,000 tons p.a. Electrolytic copper	33	22	11
e. Kraftwerke (Power Plants)	1949-1955	MW	43	25	5
Considerable interest seems to be attached in official quarters to the extraction of cobalt from furnace slag produced at Mansfeld, as the process has allegedly led to discoveries concerning radio-active reactions. Research is being conducted by the construction office at Leuna.					
13. Walzengiesserei Coswig, VVB EFW	1951-1953	tons per year Grey castings Cast iron rollers	7,140 5,000	2,570 1,800	4,570 2,400
14. Walzengiesserei Quedlinburg, VVB EFW	1951-1955	tons per year Grey castings Cast iron rollers	3,000 2,000	500 250	- postponed until 1953 -
15. Ferrolegierungswerk Lippendorf, VVB EFW	1950-1955	1,000 tons p.a. Fe., Si. 45% Fe. Mn, carb.	25.5 3.4	8.5 3.4	- -

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	<u>Plant</u>	<u>1st and final year of the total project</u>	<u>Capacity Increase</u>		
			<u>unit</u>	<u>projected total</u>	<u>in previous year</u> <u>in plan year</u>
16.	Ferrolegiierungswerk Mueckenberg, VVB EFW	1951-1955	1,000 tons p.a. Fe., Si. 45%	32.8	8.5 8.5
17.	Badeleben	1950-1955	1,000 tons p.a.		
	a. Mines Badeleben	1950-1955	iron ore	600	40 160
	b. Mines Tanger- Niederung & West Priegnitz	1950-1955	iron ore	20	5 5
	c. Ore preparation plant	1952-1954	Ingots	300	- 60
18.	Saalfeld	1950-1955	1,000 tons p.a.		
	a. Schmiedefeld	1950-1955	iron ore	50	- -
	b. Wittmansgereuth	1950-1955	iron ore	36	- -
	c. Eisenberg	1950-1955	iron ore	-	- -
	d. Kamsdorf	1950-1955	limestone with iron content	-	- -
	e. Schleiz	1952-1955	iron ore	240	- -
	f. Kuhschnappel	1952-1955	iron ore	?	- -
19.	Harzer Eisenerzgruben	1950-1955	1,000 tons p.a. iron ore	480	230 90
			Ferrous limestone	60	20 10
	a. "Am Buechenberg" Elbingerode	1950-1955	iron ore	200	80 40
	b. "Braunesumpf" Huettenrode	1950-1955	iron ore	250	150 50
			Ferrous limestone	60	20 10
	c. Stahlberg near Neuwerk	1952-1955	iron ore	30	- -
20.	Eisemangannersberg- werke Schmalkalden VVB EFW	1949-1955	1,000 tons p.a. iron ore	245	55 55
21.	Walzwerk Willy Becker Kirchmoeser, VVB WZ	1949-1955	1,000 tons p.a.		
			bar steel	37	37
			Thick sheet metal	56	56

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Plant	1st and final year of the total project	unit	Capacity Increase		
			projected total	in previous year	in plan year
22. Walzwerk Burg, VVB WZ	1949-1953	1,000 tons p.a. Thin sheet metal of which: dynamo sheet Transformer sheet	24 11 4	23 10 3	1 1 -
23. Blechwalzwerk Olbernhau, VVB WZ	1949-1955	1,000 tons p.a. Medium & fine sheet metal of which: dynamo sheet Transformer sheet	30 18 3	17 9.3 0.7	5 2.7 2.3
24. Halbzeugwerk Auerhammer, VVB WZ	1949-1955	1,000 tons p.a. Rolled products (V.2.A) Nonferrous rolled products	1.45 1.35	0.05 0.85	0.325 0.185
25. Rohr- und Kalt- walzwerk Chemnitz, VVB WZ	1949-1955	1,000 tons p.a. Cold strips Precision steel tubes	1.8 2.1	0.6 0.5	0.15 1
26. Kaltwalzwerk Oranienburg, VVB WZ	1950-1953	1,000 tons p.a. Cold rolled products	3.5	2	0.8
27. Kaltwalzwerk Salzungen, VVB WZ	1959-1955	1,000 tons p.a. Unalloyed strip steel	2.94	1.5	0.2
28. Ziehwerk Lugau, VVB WZ		1,000 tons p.a. Drawn and scraped bar steel	24	24	-
29. Ziehwerk Delitzsch, VVB WZ	1950-1955	1,000 tons p.a. Drawn and scraped "Blankstahl"	36	16	3
30. Ziehwerk Brotterode, VVB WZ	1950-1955	Drawn and scraped bar steel	8	8	-
31. Ziehwerk Berlin Schoeneweide, VVB WZ Berlin-Niederschoeneweide	1951-1952	Drawn and scraped bar steel	9	9	-
32. Bleiers, VVB Buntmetall, Freiberg	1949-1955	tons p.a.			

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Plant	1st and final year of the total project	unit	Capacity Increase		
			projected total	in previous year	in plan year
a. Freiberg		Pb Concentrate	1,750	1,040	470
		Zn concentrate	3,000	1,640	810
		Pyrites	9,000	5,200	860
b. Brander Revier	1950-1955	Pb concentrate	4,670	-	-
		Zn concentrate	5,400	-	-
		Pyrites	13,000	-	-
c. Halsbruecke	1949-1955	Pb concentrate	1,560	700	590
d. Kleinvoigtsberg		Pb concentrate	600	-	-
33. Zimmerz, VVB Buntmetall, Altenberg	1949-1955	tons p.a.	976	156	165
a. Altenberg	1949-1955	Sn content	726	141	165
b. Sadisdorf	1949-1955	Sn content	250	15	-
34. Zinngrube Ehrenfriedersdorf VVB Buntmetall	1949-1955	Sn content	120	90	30
35. Wolfram-Zinnerz Zschorlau	1949-1955	tons p.a.			
a. Pachtelagruen	1949-1955	WO ₃ content	45	12	5
b. Zschorlau	1951-1955	WO ₃ content	24	-	6
c. Gottesberg	1949-1955	Sn content	20	14	1
36. Nickelerz Callenberg	1947-1955	1,000 tons p.a. Nickel ore	163.5	-	33.5
37. Antimon-Erzbergwerk Oberboehmsdorf VVB Buntmetall	1951-1955	tons p.a. Sb. content	35	35	-
38. Huetttenwerk Halsbruecke, VVB Buntmetall	1949-1955	tons p.a. Electrolyte lead	6,000	-	1,500
		Lead armatures	30	16	14
		Pumps			
		unit p.a.	20	10	10
39. Huetttenwerk Muldenhuettten, VVB Buntmetall	1950-1955	1,000 tons p.a. Pb content	10	10	-
		SO ₃ content	10.5	2.5	-
		Zn	10	-	-

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<u>Plant</u>	<u>1st and final year of the total project</u>	<u>Capacity Increase</u>			
		<u>unit</u>	<u>projected total</u>	<u>in previous year</u>	<u>in plan year</u>
40. Zinnhuetten Freiberg, VVB Buntmetall	1950-1955	tons p.a. Bearings metal	480	480	- postponed until 1953
		Crude tin	200	-	-
		Pure tin	100	40	-
		Soldering tin	90	90	-
		Slag wool	450	450	-
41. Nickelhuetten Aue, VVB Buntmetall	1950-1952	tons p.a. Nickel Crude speiss basis 10% Ni. content raw material	900	600	300
42. Metallschmelz- und Walzwerk Merseburg, VVB Buntmetall	1949-1950	tons p.a. Aluminum foil	375	300	30
		Armatures	38	38	-
43. Lautawerk near Spremberg	1952-1956	1,000 tons p.a. Smelting aluminum	45	-	-

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